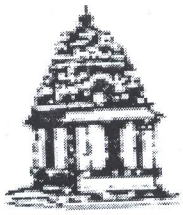

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

Name of Work: *Modified Estimate for Repair and Maintenance of Govt School at Doddabommasandra in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.*

Job Code: 010-20-000017

Estimated Cost: Rs. 10.00 Lakhs
Approved Cost: Rs. 09.18 Lakhs
Modified Cost: Rs. 09.17 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Repair and Maintenance of Govt School at Doddabommasandra in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.

				Estimate Cost Rs.					916970.00
Sl No	Description of item	Unit		L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 **Page No. 3, Item No.2.1, PWD SR 2016-17**									
	Inside School Compound		1	10.50	3.80	0.10	3.99		
			1	11.00	4.00	0.10	4.40		
			1	27.00	3.00	0.10	8.10		
			2	15.00	2.00	0.10	6.00		
							22.49	125.00	**2811.00**
2	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**	Cum								
			Not Executed				**0.00**	175.00	**0.00**
3	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum								
	Inside School Compound		1	10.50	3.80	0.15	5.99		
			1	11.00	4.00	0.15	6.60		
			1	27.00	3.00	0.15	12.15		
			2	15.00	2.00	0.15	9.00		
							33.74	5000.00	**168675.00**
4	KSRB 5.2-3 : Providing and **constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6,** stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**	Cum								
	Compound Wall Repair		1	9.00	0.75	0.60	4.05		
							4.05	4250.00	**17213.00**

No	Description of item	Unit		L	B	D	Qty	Rate	Amount
5	KSRB 5.3-3 : Providing and **constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,** edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	Compound wall Repair		1	9.00	0.45	0.45	1.82		
							1.82	5000.00	**9113.00**
6	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2016-17**	Cum							
			Not Executed				**0.00**	6300.00	**0.00**
7	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **Page No. 6 / Item No. 2.10 / PWD SR 2016-17**	Cum							
			Not Executed				**0.00**	100.00	**0.00**
8	KSRB 5-14.1 : Providing and constructing load bearing wall with **solid concrete blocks of size 400x200x200 mm** having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.27.1, PWD SR 2016-17**	Sqm							
	Compound Wall Repair		1	10.00		1.50	15.00		
							15.00	1000.00	**15000.00**
9	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne							
			Not Executed				0.00	50000.00	**0.00**

No	Description of item	Unit		L	B	D	Qty	Rate	Amount
10	KSRB 10-3 : Providing and laying **integral cement based waterproofing treatment** including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so	Sqm							
	Roof Terrace Doddabommasandra School		1	6.40	12.50		80.00		
			1	13.10	6.25		81.88		
			1	11.50	8.20		94.30		
			1	5.00	4.80		24.00		
	Total Qty						**280.18**		
	Qty upto 125%						**247.21**	900.00	**222491.00**
	Qty above 125%						**32.96**	896.85	**29562.00**
	Basic Rate	904.00							
	Area Weightage @ 8%	72.32							
	Total	**976.32**							
	Tender Premium @ 8.14% Below	-79.47							
	Grand Total	**896.85**							
11	KSRB15-3-13 : Providing **12mm thick cement plaster in single coat with cement mortar 1:3**, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17**	Sqm							
	Repair of School								
	Class room		2	7.40	3.36		49.73		
	verandah		1	15.50	2.00		31.00		
	Toilet		1	1.20	2.20		2.64		
							83.37	200.00	**16674.00**
12	KSRB15-3.8 : Providing **18mm thick cement plaster in single coat with cement mortar 1:4,** to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.16, PWD SR 2016-17**	Sqm							
	Inside Wall Class Room 1		1	1.50		2.20	3.30		
	Class Room 2		1	1.20		1.00	1.20		
			1	1.30		3.00	3.90		
	Class Room 3		1	2.40		1.50	3.60		
			1	1.00		0.90	0.90		
	Class Room 4		1	2.50		3.00	7.50		
			1	2.60		2.60	6.76		
	Toilet		1	1.10		1.00	1.10		
			1	2.00		1.20	2.40		

	Description of item	Unit		L	B	D	Qty	Rate	Amount
			1	1.20		1.50	1.80		
			2	9.00		1.50	27.00		
							59.46	200.00	**11892.00**
13	KSRB15-3.9 :Providing **18mm thick cement plaster in single coat with cement mortar 1:6,** to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17**	Sqm							
	Out Side								
	Compound Wall		1	2.00		1.50	3.00		
			1	2.20		1.80	3.96		
			1	1.80		1.60	2.88		
	Backside		1	1.20		1.40	1.68		
			1	2.00		1.80	3.60		
							15.12	200.00	**3024.00**
14	KSRB 4-6.3 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended **floors, roofs, landings, balconies and likes, thickness above 200 mm** including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.30 PWD SR 2016-17**	Sqm							
			Not Executed				**0.00**	400.00	**0.00**
15	KSRB 4-6.7 :Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for sides and soffits of **beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth** including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.34, PWD SR 2016-17**	Sqm							
			Not Executed				**0.00**	200.00	**0.00**
16	KSRB 7.3 : Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. **Double leaf door of size 2.4x2.4m**. Specification No. KBS 7.9 / 7.12. **Page No. 31 / Item No. 7.3 / PWD SR 2016-17**	Sqm							
	Toilet Doors		3	0.75		2.10	4.73		
	For Replacement of Existing Doors		4	0.90		2.10	7.56		
							12.29	2000.00	**24570.00**

	Description of item	Unit		L	B	D	Qty	Rate	Amount
17	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as mixed with proprietary water proofing compound and finally finishing the **surface with trowel and neat cement slurry**	Sqm							
	Ventilators Toilet		4	0.60		0.45	1.08		
	Replacement of Existing Windows		5	0.90		1.20	5.40		
							6.48	3500.00	**22680.00**
18	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 117 / Item No. 15.49.1, PWD SR 2016-17**	Sqm							
	Ceiling								
	Room 1		1	4.15	4.75		19.71		
	Room 2		1	6.10	4.75		28.98		
	Room 3		1	4.20	4.75		19.95		
	Room 4		1	4.20	4.75		19.95		
	Room 5		1	5.00	6.05		30.25		
	Toilets		1	3.05	1.75		5.34		
			1	2.60	2.90		7.54		
			1	5.95	0.85		5.06		
			1	1.20	0.75		0.90		
			1	1.20	1.20		1.44		
			1	1.20	1.20		1.44		
			1	1.20	1.20		1.44		
			1	3.30	1.30		4.29		
	First Floor								
	Room 1		1	6.25	5.85		36.56		
	Room 2		1	6.55	5.40		35.37		
	Frnot		1	6.55	0.90		5.90		
	Hall		1	11.05	6.05		66.85		
	Second Floor								
	Room 1		1	6.25	5.85		36.56		
	Room 2		1	6.55	5.40		35.37		
	Frnot		1	6.55	0.90		5.90		
	for Walls								
	Room 1		2	4.15		3.00	24.90		
			2	4.75		3.00	28.50		
	Room 2		2	6.10		3.00	36.60		
			2	4.75		3.00	28.50		
	Room 3		2	4.20		3.00	25.20		

	Description of item	Unit		L	B	D	Qty	Rate	Amount
			2	4.75		3.00	28.50		
	Room 4		2	4.20		3.00	25.20		
			2	4.75		3.00	28.50		
	Room 5		2	5.00		3.00	30.00		
			2	6.05		3.00	36.30		
	Toilets		2	3.05		3.00	18.30		
			2	1.75		3.00	10.50		
			2	2.60		3.00	15.60		
			2	2.90		3.00	17.40		
			2	5.95		3.00	35.70		
			2	0.85		2.10	3.57		
			2	1.20		2.10	5.04		
			2	0.75		2.10	3.15		
			2	1.20		2.10	5.04		
			2	1.20		2.10	5.04		
			2	1.20		2.10	5.04		
			2	1.20		2.10	5.04		
			2	1.20		2.10	5.04		
			2	1.20		2.10	5.04		
			2	3.30		3.00	19.80		
			2	1.30		2.10	5.46		
	First Floor								
	Room 1		2	6.25		3.00	37.50		
			2	5.85		3.00	35.10		
	Room 2		2	6.55		3.00	39.30		
			2	5.40		3.00	32.40		
	Hall		2	11.05		3.00	66.30		
			2	6.05		3.00	36.30		
	Second Floor								
	Room 1		2	6.25		3.00	37.50		
			2	5.85		3.00	35.10		
	Room 2		2	6.55		3.00	39.30		
			2	5.40		3.00	32.40		
							1216.95		
	deduction Doors		11x0.5	1.20		2.10	13.86		
	Toilet Doors		5	0.75		2.10	7.88		
	Windows 1		2x0.5	0.90		1.20	1.08		
	Windows 2		18x0.5	1.50		1.20	16.20		
	Ventilators		6x0.5	2.60		0.60	4.68		
							-43.70		
	Total Qty						**1173.26**		
	Qty upto 125%						**1137.36**	70.00	**79615.00**
	Qty above 125%						**35.89**	70.44	**2528.00**
	Basic Rate	71.00							
	Area Weightage @ 8%	5.68							
	Total	**76.68**							
	Tender Premium @ 8.14% Below	-6.24							
	Grand Total	**70.44**							
19	KSRB 15-16.1 : Providing and finishing **external walls in two coats with waterproof cement paint** of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **Page No. 117 / Item No. 15.53.2. SR 2016-17.**	Sqm							
	Ground Floor		2	19.80		3.00	118.80		
			2	5.20		3.00	31.20		
			2	11.50		3.00	69.00		
			1	6.50		3.00	19.50		
	First Floor		2	13.10		3.00	78.60		
			2	6.35		3.00	38.10		

	Description of item	Unit		L	B	D	Qty	Rate	Amount
			2	11.50		3.70	85.10		
			2	6.50		3.70	48.10		
	Second Floor		2	13.10		3.70	96.94		
			2	6.65		3.70	49.21		
	Staircase		4	3.90		1.65	25.74		
	Landing		4	3.10		1.60	19.84		
	Compound Wall N/S		2	30.00		1.60	96.00		
			2	10.60		1.60	33.92		
	S/S		2	34.70		2.00	138.80		
	E/S		2	12.75		1.60	40.80		
	W/S		2	18.50		1.70	62.90		
							1052.55		
	deduction Doors		11x0.5	1.20		2.10	13.86		
	Windows 1		2x0.5	0.90		1.20	1.08		
	Windows 2		18x0.5	1.50		1.20	16.20		
	Ventilators		6x0.5	2.60		0.60	4.68		
							35.82		
	Total Qty						**1016.73**		
	Qty upto 125%						**818.21**	80.00	**65457.00**
	Qty above 125%						**198.52**	83.34	**16544.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
	Tender Premium @ 8.14% Below	-7.38							
	Grand Total	**83.34**							
20	KSRB 14.10-3: **Providing flooring with 25mm to 40mm thick polished Cadapa slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Specification No. KBS **Page No. 103 / Item No. 14.17, PWD SR 2016-17**	Sqm							
	Room 1		1	2.80	2.00		5.60		
	Room 2		1	3.00	2.00		6.00		
							11.60	1000.00	**11600.00**
21	KSRB 14.7-2 : Providing and laying **red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete**, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion) , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3 **Page No. 102, Item No. 14.9, PWD SR 2016-17**	Sqm							
	Toilet		1	2.50	2.80		7.00		
			1	3.00	3.20		9.60		
			1	2.00	1.60		3.20		
							19.80	600.00	**11880.00**
22	KSRB 15-17.6 : **Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface** with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. **(P.No. 118, I.No. 15.60.1 of SR 2016-17).**	Sqm							
	deduction Doors		11	1.20	2.10	2.25	62.37		

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Windows 1		2	0.90	1.20	2.25	4.86		
	Windows 2		18	1.50	1.20	2.25	72.90		
	Ventilators		6	2.60	0.60	2.25	21.06		
							161.19	80.00	**12895.00**
23	KSRB 14.14-5: **Providing Ceramic tiles of approved make,shade and size for flooring**, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic **Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2016-17**	Sqm							
	Flooring New Toilet		1	1.20	0.75		0.90		
	Existing Toilets		1	1.20	1.20		1.44		
			1	1.20	1.20		1.44		
			1	1.20	1.20		1.44		
							5.22	1200.00	**6264.00**
24	KSRB 14-17.2 : **Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3** and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of **size 30 x 10 cms**. **Page No.106, Item No. 14.41.2 PWD SR 2016-17**	Sqm							
	Existing Toilets		2	1.20	2.10		5.04		
			2	1.20	2.10		5.04		
	Deduction of Doors		1	0.75	2.10		-1.58		
							8.51	1500.00	**12758.00**
25	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet **Indian type** (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C **flushing cistern** (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 77 / Item No. 12.1 / PWD SR 2016-17**	pan							
			5				**5**		
	Total Qty						**5**		
	Qty upto 125%						**4**	3000.00	**12000.00**
	Qty above 125%						**1**	3426.67	**3427.00**
	Basic Rate	3454.00							
	Area Weightage @ 8%	276.32							
	Total	**3730.32**							
	Tender Premium @ 8.14% Below	-303.65							
	Grand Total	**3426.67**							

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	KSRB 11-11.1 : **Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm** with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 80, Item No. 12.23, PWD SR 2016-17**	Unit							
			2				**2**	4000.00	**8000.00**
27	KSRB13-1.4: **Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 32mm** dia nominal bore with fittings (medium grade weight 1.65 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 **Page No. 90, Item No. 13.4, PWD SR 2016-17**	m							
			1	30.00			**30.00**	325.00	**9750.00**
28	Supplying water **storage tanks made of virgin polymer (LLDPE)** with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. **(P.No. 265 / I.No. 37.58 of CSR 2016-17)**	L							
			Not Executed				**0**	6.00	**0.00**
29	KSRB13-6.2-2 : Providing and fixing in **position brass stop cock of approved quality 20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 **Page No. 91, Item No. 13.27, PWD SR 2016-17**	Each							
			9				**9**	150.00	**1350.00**
30	KSRB 12-1.2 : Providing and laying in **position to required level or slope 150mm internal diameter salt glazed stoneware pipes** grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 / 12.7 **Page No. 70 / Item No. 11.2 / PWD SR 2016-17**	m							
			Not Executed				**0.00**	300.00	**0.00**

	Description of item	Unit		L	B	D	Qty	Rate	Amount
	Cement concrete pavement.Construction of **un-reinforced plain cement concrete pavement**, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @ 0.64cum and fine aggregate @**	Cum							
	Inside School Compound		1	10.50	3.80	0.10	3.99		
			1	11.00	4.00	0.10	4.40		
			1	27.00	3.00	0.10	8.10		
			2	15.00	2.00	0.10	6.00		
							22.49	5300.00	**119197.00**
								Total	**916970.00**

Rupees Nine Lakh(s) Sixteen Thousand Nine Hundred Seventy Only

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17 +/- Tender Premium.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

9/01

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

9/01

Technical Sanction
Accorded For Rs 916920.00
Head of A/C.. 1771
CER NO : 36 Dt. 09.01.2020

CE (YNK)